GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd

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Result
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                         Score
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A_Geneseq_032802:*
1: /SIDS1/gcgdata/hc
2: /SIDS1/gcgdata/hc
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Gapop 10.0 , Gapext 0.5
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Lipocortin 1 (LC1
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ALIGNMENTS

RESULT AAY80129

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AAY80129 standard; peptide;

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AAY80129;

WPI; 2000-182645/16. cerebroprotective; cardiant; antibacterial; immunosuppressive; antigout. Lipocortin 1; LC1; antiinflammatory; inflammation; infection; glucocorticoid; annexin; arthritis; gout; asthma; skin disorder; inflammatory disease; antirheumatic; antiarthritic; antiasthmatic; Lipocortin 1 N-terminal peptide sequence 2-6. Perretti M, (HARV-) HARVEY RES LTD WILLIAM 24-JUL-1998; 22-JUL-1999; 03-FEB-2000. WO200005255-A2 Unidentified. 18-MAY-2000 Flower R; (first entry) 98GB-0016235. 99WO-GB02391.

Compounds capable of inhibiting leukocyte migration, useful for prevention and treatment of inflammatory diseases such as gout, arthritis and asthma, and skin disorders

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RESULT
AAY80130
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Best Local :
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The present invention describes a compound (1) comprising the amino acid sequence AMVSE (AAV80129), but which does not include the sequence EQEYVQTV (AAV80122). (1) has antiinflammatory, antirhenmatic, antiarthritic, antiasthmatic, cerebroprotective, cardiant, antibacterial immunosuppressive and antigout activity. (1) is an inhibitor of polymorphonuclear leukocyte (PMN) migration. (1) is useful in medicine compositions, for inhibiting leukocyte migration and for treating or preventing inflammatory diseases including gout, gouty arthritis, rheumatoid arthritis, asthma, reperfusion injury or damage, stroke, myocardial infarction, septic shock and skin disorders. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 glucocorticoid; annexin; arthritis; gout; asthma; skin disorder; inflammatory disease; antirheumatic; antiarthritic; antiasthmatic; cerebroprotective; cardiant; antibacterial; immunosuppressive; ant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; Page 11; 15pp; English.
                                                                                                                                                                                          Claim
                                                                                                                                                                                                                            arthritis and asthma, and skin disorders
                                                                                                                                                                                                                                        Compounds capable of inhibiting leukocyte migration, useful for prevention and treatment of inflammatory diseases such as gout,
                                                                                                                                                                                                                                                                                             WPI; 2000-182645/16.
                                                                                                                                                                                                                                                                                                                            Perretti M,
                                                                                                                                                                                                                                                                                                                                                                                               24-JUL-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Lipocortin 1; LC1; antiinflammatory; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Lipocortin 1 N-terminal peptide sequence #1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18-MAY-2000
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Pred. No.
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Query Match
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                                                                                                      The present invention describes a compound (I) comprising the amino acid sequence AMVSE (AAY80129), but which does not include the sequence EQEYVQTV (AAY80132). (I) has antiinflammatory, antirhemmatic, antiarthritic, antiasthmatic, cerebroprotective, cardiant, antibacterial immunosuppressive and antigout activity. (I) is an inhibitor of polymorphonuclear leukocyte (PMN) migration. (I) is useful in medicine compositions, for inhibiting leukocyte migration and for treating or preventing inflammatory diseases including gout, gouty arthritis, arthumatory diseases including gout, gouty arthritis, myocardial infarction, septic shock and skin disorders. The present sequence represents a peptide sequence which is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              glucocorticoid; annexin; arthritis; gout; asthma; skin disorder;
inflammatory disease; antirheumatic; antiarthritic; antiasthmatic;
cerebroprotective; cardiant; antibacterial; immunosuppressive; antigout.
                                                                                                                                                                                                                                                                                                      Compounds capable of inhibiting leukocyte migration, useful for prevention and treatment of inflammatory diseases such as gout, arthritis and asthma, and skin disorders -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence
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                                                                                                                                                                                                                                                                                                                                                                                        Perretti M,
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                                                                   Sequence
                                                                                               exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                  (HARV-) HARVEY RES LTD WILLIAM
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5; Conserv
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 Conservative
                                                                                                                                                                                                                                                                                                                                                                                        Flower R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LC1; antiinflammatory;
                                                                     AA;
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            100.0%;
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Pred. No.
               Score 22;
Pred. No.
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  Mismatches
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  Gaps
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                                                                       Matches
                                                                                        Query Match
Best Local :
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                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATP binding region; protein kinase A; PKA; CDK2; v-Src; inhibitor; target validation; mutant; enzyme; identification; protein kinase; protein kinase inhibitor; tumour; arthritis; cytostatic; cardiant; vasotropic; antiarthritic; analgesic; hyperproliferation; ischaemia; cardiovascular disease; urogenital disease; pain.
                                                                                                                                                                                           example from the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 18; Fig 26; 169pp; English.
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23-JUL-1999;
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                                                                                        Local Similarity
10 amvse 14
                                   1 AMVSE 5
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                                                                                                                                                            40 AA;
                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99US-0115340.
99US-0145422.
                                                                                     100.0%;
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                                                                                   Score 22; DB Pred. No. 32;
                                                                     Mismatches
                                                                                                DB 21; Length 40;
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                                                                Indels
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RESULT
AAG15894
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01-UUN-1999
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30-APR-1999
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06-MAY-1999
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07-MAY-1999
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08-APR-1999,
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23-APR-1999,
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01-APR-1999;
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05-MAR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Arabidopsis thaliana
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Protein identification; signal transduction pathway; metabolic pathway;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Arabidopsis thaliana protein fragment SEQ ID NO: 16324.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           termination sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  hybridisation assay; genetic mapping; gene expression control;
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990S-0132863

990S-0134218

990S-0134219

990S-0134270

990S-0134768

990S-0135224

990S-013523

990S-013523

990S-013522

990S-013522

990S-013522

990S-013522

990S-013622

990S-013728

990S-0138640

990S-0138640

990S-0139453

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990S-0139456
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99US-0132486.
99US-0132487.
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Similarity 100.0%;
5; Conservative 0
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990S-0149929

990S-0149930

990S-0150884

990S-0151080

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990S-0161361
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                                                                                                                                  Gaps
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16-AUG-1999; 99US-01. 17-AUG-1999; 99US-01. 18-AUG-1999; 99US-01. 20-AUG-1999; 99US-01. 20-AUG-1999; 99US-01. 20-AUG-1999; 99US-01. 23-AUG-1999; 99US-01. 23-AUG-1999; 99US-01. 25-AUG-1999; 99US-01. 25-AUG-1999; 99US-01. 26-AUG-1999; 99US-01. 27-AUG-1999; 99US-01.	999; 9903-01 999; 9903-01 999; 9903-01 999; 9903-01 999; 9903-01 999; 9903-01 999; 9903-01 999; 9903-01 999; 9903-01 999; 9903-01	21-JUL- 22-JUL- 22-JUL- 22-JUL- 22-JUL- 23-JUL- 23-JUL- 23-JUL- 23-JUL- 23-JUL- 23-JUL- 24-JUL- 27-JUL	999; 9908-01 999; 9908-01 999; 9908-01 999; 9908-01 999; 9908-01 999; 9908-01 999; 9908-01 999; 9908-01 999; 9908-01 999; 9908-01	18-JUN-1999; 99US-01 21-JUN-1999; 99US-01 22-JUN-1999; 99US-01 23-JUN-1999; 99US-01 23-JUN-1999; 99US-01 23-JUN-1999; 99US-01 24-JUN-1999; 99US-01 28-JUN-1999; 99US-01 01-JUL-1999; 99US-01 01-JUL-1999; 99US-01 01-JUL-1999; 99US-01 06-JUL-1999; 99US-01 08-JUL-1999; 99US-01 08-JUL-1999; 99US-01 08-JUL-1999; 99US-01

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28-SEP 1999
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18-CCT-1999

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26-CCT-1999

26-CCT-1999
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                                                 (first entry)
                                                                                                                                                                                                                                                                                                                      99US-0159637.
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99US-0159584.
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990S-0159293.
990S-0159294.
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990S-0159329.
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990S-01593331.
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99US-0157117.
99US-0157753.
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99US-0158029.
99US-0158232.
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99US-0151080.
                                                                                 Protein; 120
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                                                                                                                                                                           21; Length 97;
                                                                                                                                                            Indels
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PF PD XXX

termination sequence.

protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; Arabidopsis thaliana protein fragment SEQ ID NO: 43922.

18-OCT-2000

(first entry)

Arabidopsis thaliana.

25-FEB-2000; 2000EP-0301439

06-SEP-2000.

EP1033405-A2

RESULT AAG35902

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AAG35902 standard; Protein; 122

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                            Qy
                                                                                                                                                                            This invention describes novel polypeptide fragment sequences (I) and their encoding nucleic acids (II) which are highly expressed in normal bladder tissue and have cytostatic activity. (II) are used for recombinant expression of (I) and to isolate complete genes. (I) are used to identify agents suitable for the treatment of bladder tumours, to directly treat this form of cancer (including expression from gene therapy vectors), or are used in a preparation for cancer treatment. (I) is also used for the generation of specific antibodies. (II) are identified by assembling ESTs (expressed sequence tags) from a particular tissue type before comparison of expression patterns. This allows a significantly longer fragment of the gene to be revealed, and therefore reduces the number of failures because of ESTs from different in the same unknown gene clastorting the estimated frequency of occurrence in a particular tissue. AAY60329-Y60591 represent protein fragments encoded by the human normal bladder tissue cDNA library derived EST fragments represented in
                                                               Query Match
Best Local S
Matches 5
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                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 23; Page 261; 366pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New polypeptides and their nucleic acids, useful for treatment bladder tumour and identification of therapeutic agents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          N-PSDB; AAZ42156
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29 amvse
                               1 AMVSE 5
                                                                 Similarity 5; Conserv
   ω
                                                                                                                                                   120 AA;
                                                               100.0%; Score 22; DB 20 ilarity 100.0%; Pred. No. 1e+02; Conservative 0; Mismatches
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PR 19-UUL-1999 PR 19-UUL-1999 PR 19-UUL-1999 PR 19-UUL-1999 PR 20-UUL-1999 PR 20-UUL-1999 PR 20-UUL-1999 PR 21-UUL-1999 PR 22-UUL-1999 PR 23-UUL-1999 PR 23-UUL-1999 PR 23-UUL-1999 PR 27-UUL-1999 PR 27-	12-JUL-199 13-JUL-199 14-JUL-199 15-JUL-199 16-JUL-199

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Best Local S
Matches 5
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                                                                                                                                                                                                                                                                                                          Arabidopsis thaliana protein fragment SEQ ID
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amvse
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5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                         standard; Protein; 129
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Pred. No.
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promoter;
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                        New nucleic acid that is a 5' expressed sequence tag (5' EST) for obtaining cDNAs and genomic DNAs that correspond to 5'ESTs and for diagnostic, forensic, gene therapy and chromosome mapping procedures
Claim 13; SEQ ID 5003; 71pp + CD-ROM; English.
                                                                                                                          Dumas Milne Edwards
                                                                                                                                                                                                                                                                                                               Human; 5' EST; expressed sequence tag; secreted protein; cDNA isolation; gene therapy; chromosome mapping.
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Pred. No. 1.1e+02
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Length Indels

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RESULT 11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present sequence is a polypeptide encoded by one of a large number of 5' ESTs derived from mRNAs encoding secreted proteins. The 5' ESTs were prepared from total human RNAs or polyA+ RNAs derived from 30 different tissues. EST sequences usually correspond mainly to the 3' untranslated region (UTR) of the mRNA because they are often obtained from oligo-dT primed cDNA libraries. Such ESTs are not well suited for isolating cDNA sequences derived from the 5' ends of mRNAs and even in those cases where longer cDNA sequences have been obtained, the full 5' UTR is rarely included. 5' ESTs are derived from mRNAs with intact 5' ends and can therefore be used to obtain full length cDNAs and genomic DNAs. 5' ESTs are also used in diagnostic, forensic, gene therapy and chromosome mapping procedures. They are used to obtain upstream regulatory sequences and to design expression and secretion vectors.
25-FEB-1999
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RESULT 13
AAG15892
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Matches 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Protein identification; signal transduction pathway; metabolic hybridisation assay; genetic mapping; gene expression control;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Arabidopsis thaliana protein fragment SEQ ID
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAG15892 standard; Protein; 155 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         termination
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|||||
| amvse 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      h 100.0%; ; Similarity 100.0%; ; 5; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sequence
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990S-0125788

990S-0126785

990S-0126785

990S-0128714

990S-0128714

990S-0130077

990S-013010

990S-013014

990S-0131248

990S-0131248

990S-013248

990S-013248

990S-0132487

990S-01332487

990S-013325

990S-013475

990S-013475

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990S-013575

990S-013575
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99US-0161993.
99US-0162142.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      genetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               mapping; gene expression control;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 22; DB ZI;
Pred. No. 1.3e+02;
Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NO: 16322.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 152;
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Query Match
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Matches 5
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09-AUG-1999

09-AUG-1999

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990S-016136.
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    Gaps
    0;
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AAG61039
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    25-FEB-1999;
05-MAR-1999;
09-MAR-1999;
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25-MAR-1999;
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16-APR-1999;
16-APR-1999;
21-APR-1999;
21-MAY-1999;
21-MA
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hybridisation assay; genetic mapping; gene expression control;
termination sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAG61039 standard; Protein; 155
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                                                                                Gaps
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18-JUN-1999
18-JUN

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                                                                                                                                                                                                           CC (II), given in AAG81454 to AAG83120, from Staphylococcus epidermidis. CC (II) and (II) can have antibacterial activity and therefore can be used in vaccination. The nucleic acids (I) may be used to produce the CC in vaccination. The nucleic acids (I) may be used to produce the CC containing them which are used to produce hosts cells which express the CC containing them which are used to produce hosts cells which express the CC used to vaccinate subjects and to raise antibodies against the bacteria. CC the polypeptides may also be used to assay for other inhibitors of their CC treatment of S. epidermidis infections, e.g. endocarditis. AAH53971 to AAH55090 represent specifically chaimed S. epidermidis genomic DNA CC polynucleotide sequences from the present invention. AAH55091 to CC AAH55098 represent oligonucleotide sequences and primers which are used in the exemplification of the present invention.

CC N.B. The present invention specifically claimed S. epidermids specification of the present specifically claims all the polynucleotide sequences given in the sequence 1 isting of the present specification, convergence of the present of SEQ ID NO:4454 so even though sequences are present for SEO ID NO:4455 to 4472, convergence are present for SEO ID NO:4455 to 4472.
                                                                                              Query Match
Best Local :
                                                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         S. epidermidis open reading frame protein sequence SEQ ID NO:1642.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAG82274 standard; Protein; 155 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Staphylococcus epidermidis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Staphylococcus epidermidis SR1 strain; infection; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-SEP-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAG82274;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nucleic acids encoding polypeptides from Staphylococcus epidermidis, useful for vaccinating against infections, e.g. endocarditis -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-316495/33.
N-PSDB; AAH53124.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kimmerly WJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          09-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-NOV-2000; 2000WO-US30782.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200134809-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       vaccination; endocarditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 18; Page 457-458; 2188pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GLAX ) GLAXO GROUP LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-MAY-2001.
                                                                                                                                                               Sequence
                                                                                                                                                                                                  no sequences are present for SEQ ID NO:4455 to 4464.
66 amvse 70
                                                                         Local Similarity
nes 5; Conserv
                                      1 AMVSE 5
                                                                                                                                                                   155 AA;
                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99US-0164258.
                                                                                            100.0%; Score 22; DB 22; 100.0%; Pred. No. 1.3e+02;
                                                                            0; Mismatches
                                                                                                             Length 155;
                                                                              Indels
                                                                              0;
                                                                                0,
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Search completed: July 9, 2002, 12:19:33 Job time: 883 sec